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TO: R. Roth, J. Scott

FROM: E. Cutting

SUBJECT: Relative Priority of Conic RFP's from Trajectory Group

DISTRIBUTION: T. W. Hamilton, V. C. Clarke, Jr., Trajectory and Performance Group

The list below contains, to my knowledge, all of the uncompleted conic RFP's from the Trajectory Group.

<u>PRIORITY</u>	<u>RFP No.</u>	<u>AUTHOR</u>	<u>TITLE</u>
7	71A	Clarke	Interplanetary Round Trip Program (i.e. Minovich type multiple transfers)
5	135	Clarke	Differential Coefficient Subroutine for the Heliocentric Conic Program (assigned to D. Jacobs)
6	223	Dallas	Computation of Round Trip Trajectories to the Planets (uses impulsive maneuvers at Earth and target)
3	234	Haynes	Obtaining Conic View Periods Directly from Heccon Inputs
4	235	Richard	Direct Ascent Heliocentric Conic Program
8	287	Richard	Arrival Date as a Parameter in the Heccon Plotting Program
2	301	O'Neil	Modification of DACON to Target Trajectories Having Specified Injection Path Angles
1	304	O'Neil	Modification of DACON to Target on Tracking Station Visibility

All of these programs are desired as soon as possible, and would be in use now if they were available. Thus, they are all of high priority. Please give me an estimate of their completion dates.

We are contemplating additional RFP's, some of which are listed below.

Wallace	Solar Probe Capability in HECCON
Wallace	Conic View Period to Punch PVIS Cards
Wallace	Tracking Angular Rate Limits in View Period
Sturms	Partial Derivatives for Minovich Trajectories
Cutting	Earth Position at Launch Rather than 0 Hrs GMT